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|---|-----|--|---|---------------------|
| - | 426 | "file close" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/04/21 11:35 |
| - | 47 | "file close" and signature | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/04/21 12:16 |
| - | 52 | ("5047918" "5202982" "5257366" "5295256" "5307490" "5499371" "5504892" "5544360" "5561763" "5566331" "5574915" "5682524" "5689706" "5737736" "5758153" "5822511" "5825353" "5832526" "5848246" "5878434" "5892535" "5915253" "5918225" "5937406" "5978791" "5991771" "6023706" "6029160" "6029166" "6029175" "6052122" "6088694" "6092086" "6115741" "6119118" "6185574" "6212512" "6233729" "6247024" "6301605" "6314408" "6321219" "6339382" "6349295" "6366921" "6366988" "6370548" "6389433" "6397231" "6421692" "6438550" "6446091").PN. | USPAT | 2004/04/21 11:37 |
| - | 1 | 1049014.URPN. | USPAT | 2004/04/21 11:38 |
| - | 37 | "file close request" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/04/21 11:39 |
| - | 2 | "file close" and "signature information" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/04/21 12:17 |
| - | 1 | 1049014.URPN. | USPAT | 2004/04/21 12:16 |
| - | 1 | 1049014.URPN. | USPAT | 2004/04/21 12:16 |
| - | 86 | "file processing unit" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/04/21 12:17 |
| - | 0 | "file processing unit" and "cloe file" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/04/21 12:17 |
| - | 2 | "file processing unit" and "close file" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/04/21 12:18 |
| - | 132 | (713/187).CCLS. | USPAT | 2004/04/21 12:18 |
| - | 0 | ((713/187).CCLS.) and signaturte | USPAT | 2004/04/21 12:19 |
| - | 1 | ((713/187).CCLS.) and signature) and "close request" | USPAT | 2004/04/21 12:19 |
| - | 75 | ((713/187).CCLS.) and signature | USPAT | 2004/04/21 12:22 |
| - | 0 | ((713/187).CCLS.) and "file processing unit" | USPAT | 2004/04/21 12:22 |
| - | 1 | ((713/187).CCLS.) and "file processor" | USPAT | 2004/04/21 12:32 |
| - | 196 | "close request" | USPAT | 2004/04/21 12:33 |
| - | 381 | "close request" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/21 12:33 |

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|---|------|---|---|---------------------|
| - | 38 | 5050212.URPN. | USPAT | 2004/05/03 12:16 |
| - | 18 | ("4766537" "4888798" "5050212" "5103476" "5182770" "5432851" "5530757" "5548532" "5606609" "5625693" "5661848" "5799088" "5802080" "5832207" "5854759" "6000032" "6014767" "6048090").PN. | USPAT | 2004/05/03 12:19 |
| - | 3 | (("4766537" "4888798" "5050212" "5103476" "5182770" "5432851" "5530757" "5548532" "5606609" "5625693" "5661848" "5799088" "5802080" "5832207" "5854759" "6000032" "6014767" "6048090").PN.) and close | USPAT | 2004/05/03 12:33 |
| - | 384 | "close request" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/03 12:33 |
| - | 50 | "close request" and signature | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/03 12:40 |
| - | 7 | "file signature check" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/03 12:34 |
| - | 1 | 1049014.URPN. | USPAT | 2004/05/03 12:36 |
| - | 1 | 1049014.URPN. | USPAT | 2004/05/03 12:40 |
| - | 22 | "close file request" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/03 12:54 |
| - | 1 | ("5956481").PN. | USPAT | 2004/05/03 12:45 |
| - | 3 | ("5257381" "5398196" "5684875").PN. | USPAT | 2004/05/03 12:50 |
| - | 14 | 5956481.URPN. | USPAT | 2004/05/03 12:50 |
| - | 0 | "close file reading unit" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/03 13:08 |
| - | 22 | "close file command" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/03 13:13 |
| - | 2 | "close file command" and signature | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/03 13:09 |
| - | 0 | "request to close file" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/03 13:13 |
| - | 1304 | "close file" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/05/03 13:13 |

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| - | 2 | "close file" near3 signature | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPÄT | 2004/05/03 13:23 |
| - | 7 | ("5809145" "5870756" "5983295" "6035323" "6079047" "6085266" "6088747").PN. | USPAT | 2004/05/03 13:16 |
| - | 0 | 2000315176.URPN. | USPAT | 2004/05/03 13:16 |
| - | 0 | "close request" near4 signature | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 13:24 |
| - | 384 | "close request" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 13:24 |
| - | 50 | "close request" and signature | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 13:25 |
| - | 334 | "file signatures" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 13:25 |
| - | 94 | "file signatures" and close | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 13:34 |
| - | 7 | "Computer File Protection system" | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 13:28 |
| - | 6 | "Computer File Protection system" and signature | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 13:28 |
| - | 132 | (713/187).CCLS. | USPAT | 2004/05/03 13:43 |
| - | 77 | ((713/187).CCLS.) and signature | USPAT; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 14:04 |
| - | 16 | "file processing unit" and signature | USPAT; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 14:05 |
| - | 86 | "file processing unit" | USPAT; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 14:55 |
| - | 428 | "file close" | USPAT; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 14:56 |
| - | 47 | "file close" and signature | USPAT; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/03 14:57 |
| - | 2 | "file close" and "file signature" | USPAT; EPO; JPO; DERWENT; IBM_TDB USPÄT; | 2004/05/04 10:53 |

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|---|------|--|---|---------------------|----------|
| - | 7 | ("5410667" "5706510" "5778384" "5778395" "5907673" "5918229" "6185574").PN. | USPAT | 2004/05/03 14:57 | |
| - | 31 | ("6026235" "6185681" "6611878" "6604150" "5899428" "5752808" "5752808" "5752808") | EPO; JPO; DERWENT; IBM_TDB USPAT | 2004/05/04 16:05 | "588424" |
| - | 16 | ("4203166" "4633430" "4956769" "5163147" "5243518" "5263157" "5291405" "5481700" "5530907" "5572673" "5584022" "5623653" "5649185" "5666490" "5748738" "5778071").PN. | | 2004/05/04 11:28 | |
| - | 86 | "file processing unit" | USPAT; EPO; JPO; DERWENT; IBM_TDB USPAT | 2004/05/04 16:06 | |
| - | 1 | ("file processing unit" and external) and "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:06 | |
| - | 16 | "file processing unit" and external | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:07 | |
| - | 1145 | "file management system" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:07 | |
| - | 9 | "file management system" and "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:09 | |
| - | 5 | "external file management" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:09 | |
| - | 933 | "external file " | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:10 | |
| - | 6 | "external file processing" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:18 | |
| - | 510 | (713/176).CCLS. | USPAT | 2004/05/04 16:17 | |
| - | 384 | (713/193).CCLS. | USPAT | 2004/05/04 16:17 | |
| - | 163 | (713/165).CCLS. | USPAT | 2004/05/04 16:18 | |
| - | 81 | ((713/165).CCLS.) and signature | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:18 | |
| - | 37 | ((((713/165).CCLS.) and signature) and compare | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:24 | |
| - | 35 | ((((713/165).CCLS.) and signature) and compare) and file | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:18 | |
| - | 0 | "external file processing unit" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:25 | |
| - | 5 | "external file management" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:25 | |

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|---|------|---|--|---------------------|
| - | 3 | "remote file processing" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:26 |
| - | 11 | "remote file management" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:28 |
| - | 181 | "file system" and "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/04 16:31 |
| - | 15 | "file processing" and "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 13:24 |
| - | 395 | "file processing" and "card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 13:24 |
| - | 22 | "file processing unit" and "card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 13:25 |
| - | 5595 | "external unit" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 13:25 |
| - | 743 | "external unit" and card | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 13:25 |
| - | 228 | ("external unit" and card) and file | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 13:31 |
| - | 5 | 5437028.URPN. | USPAT | 2004/05/05 13:28 |
| - | 18 | 5418916.URPN. | USPAT | 2004/05/05 13:28 |
| - | 5 | 5437028.URPN. | USPAT | 2004/05/05 13:28 |
| - | 7 | ((("external unit" and card) and file) and "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 13:38 |
| - | 8 | ("5291598" "5319705" "5369702" "5410602" "5465299" "5636277" "5646999" "5651064").PN. | USPAT | 2004/05/05 13:32 |
| - | 8 | ("5291598" "5319705" "5369702" "5410602" "5465299" "5636277" "5646999" "5651064").PN. | USPAT | 2004/05/05 13:34 |
| - | 86 | "file processing unit" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 13:38 |
| - | 22 | "file processing unit" and card | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:13 |
| - | 5644 | "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:14 |
| - | 36 | "PC card" and "external unit" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:16 |
| - | 1145 | "file management system" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:16 |

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|---|------|--|---|---------------------|
| - | 9 | "file management system" and "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB USPAT | 2004/05/05 14:20 |
| - | 18 | ("5172338" "5491827" "5623637" "5650606" "5687346" "5724545" "5818030" "5852290" "5887145" "5898884" "5933854" "5974161" "6170743" "6219768" "6266724" "6282611" "6330634" "6345333").PN. | | 2004/05/05 14:16 |
| - | 18 | ("4454414" "4625276" "4990760" "5072103" "5083286" "5163111" "5245582" "5267218" "5388248" "5422855" "5428579" "5504701" "5537584" "5615388" "5678029" "5745912" "5796092" "5974513").PN. | USPAT | 2004/05/05 14:17 |
| - | 12 | ("4650975" "4672182" "4837422" "5365047" "5367149" "5396056" "5408082" "5428685" "5442165" "5444222" "5506397" "5579502").PN. | USPAT | 2004/05/05 14:18 |
| - | 36 | "external unit" and "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:22 |
| - | 181 | "PC card" and "file system" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:27 |
| - | 150 | "file processing system" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:28 |
| - | 1 | "file processing system" and "PCMCIA" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:29 |
| - | 17 | "file management system" and "PCMCIA" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:32 |
| - | 8541 | "PCMCIA" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:32 |
| - | 370 | "PCMCIA" and "file system" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:39 |
| - | 5644 | "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:39 |
| - | 2249 | "PC card" and known | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:39 |
| - | 1253 | ("PC card" and known) and "well known" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:40 |
| - | 535 | ((("PC card" and known) and "well known") and file | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:40 |
| - | 529 | ((("PC card" and known) and "well known") and file) and computer | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:40 |
| - | 382 | ((("PC card" and known) and "well known") and file) and computer) and external | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:40 |

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| - | 533 | "external unit" and "computer system" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:40 |
| - | 533 | ("external unit" and "computer system") and "computer system" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:40 |
| - | 261 | (((((("PC card" and known) and "well known") and file) and computer) and external) and "computer system" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:47 |
| - | 86 | "file processing unit" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:47 |
| - | 3 | ("file processing unit" and "external") and card | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:47 |
| - | 5 | ("4905191" "5050080" "5491827" "5522049" "5602738").PN. | USPAT | 2004/05/05 14:48 |
| - | 16 | "file processing unit" and "external" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:55 |
| - | 1194 | "PC card" and file | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:56 |
| - | 508 | ("PC card" and file) and "PCMCIA" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 14:56 |
| - | 90 | ((("PC card" and file) and "PCMCIA") and "host system" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:01 |
| - | 9 | "protecting data files" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:01 |
| - | 1 | "protecting data files" and card | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:04 |
| - | 5644 | "PC cards" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:04 |
| - | 181 | "PC cards" and "file system" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:12 |
| - | 3987 | "pcmcia card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:12 |
| - | 151 | "pcmcia card" and "file system" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:25 |
| - | 5595 | "external unit" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:25 |
| - | 370 | "external unit" and "host computer" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:25 |

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|---|------|--|--|---------------------|
| - | 2 | ("external unit" and "host computer") and "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:26 |
| - | 36 | "external unit" and "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:27 |
| - | 5644 | "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:27 |
| - | 5 | "PC card" and "portable processor" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:29 |
| - | 208 | "portable processor" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:34 |
| - | 26 | "portable processor" and "PCMCIA" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:30 |
| - | 17 | "portable processor" and "PCMCIA card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:30 |
| - | 12 | ("5436857" "5555430" "5566349" "5579528" "5598537" "5598539" "5625829" "5724529" "5729762" "5805841" "5864659" "5923847").PN. | USPAT | 2004/05/05 15:31 |
| - | 5 | "portable processor" and "PC card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:46 |
| - | 0 | 7302140.URPN. | USPAT | 2004/05/05 15:46 |
| - | 30 | ("4530152" "4649418" "4674175" "5200362" "5216278" "5241133" "5291061" "5474958" "5612513" "5620928" "5662262" "5700981" "5776798" "5815372" "5880904" "5894108" "5937512" "5976912" "5981314" "5990545" "5998860" "6001671" "6031278" "RE36613" "6060778" "6087202" "6110755" "6172419" "6304306" "6309943" "2002/0031869").PN. | USPAT | 2004/05/05 15:48 |
| - | 2296 | "PC card" and external | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:53 |
| - | 856 | ("PC card" and external) and host | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:53 |
| - | 831 | ((("PC card" and external) and host) and computer | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 15:53 |
| - | 574 | ((("PC card" and external) and host) and computer) and processor | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 16:25 |
| - | 6 | ("5546590" "5572478" "5671368" "5671374" "5724544" "5845139").PN. | USPAT | 2004/05/05 16:01 |
| - | 3 | "Stand alone PC cards" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/05 16:02 |

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|---|------|---|--|---------------------|
| - | 7 | 5928336.URPN. | USPAT | 2004/05/05 16:03 |
| - | 9 | ("5689430" "5706239" "5734618" "5761061" "5818781" "5928336" "6085982" "6153949" "6292858").PN. | USPAT | 2004/05/05 16:04 |
| - | 5644 | "PC Card" | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2004/05/06 08:44 |
| - | 5 | ("5330630" "5496185" "5588850" "5833473" "5906496").PN. | USPAT | 2004/05/05 16:35 |